Charles L. Miller, Banner & Witcoff, Ltd.
Title: Method and Apparatus for Processing
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Inventor: Sanjay Mathur, et al.
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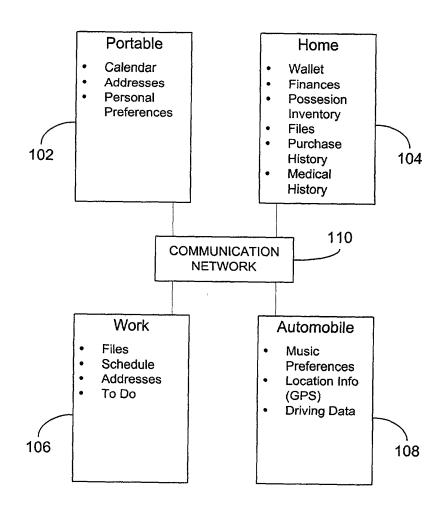


FIG. 1 -PRIOR ART-

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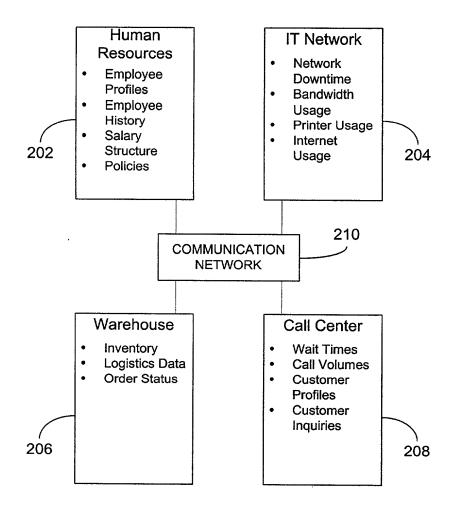


FIG. 2 -PRIOR ART-

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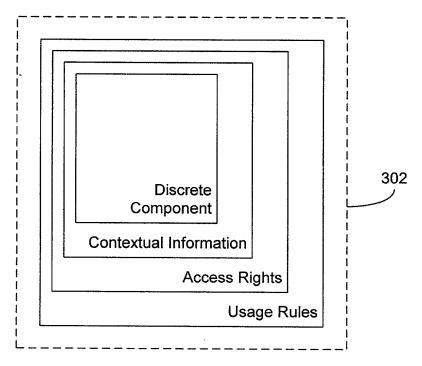


FIG. 3

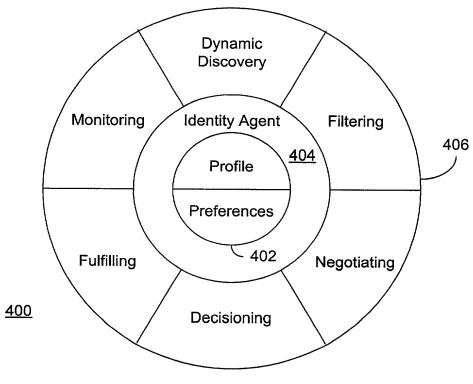


FIG. 4

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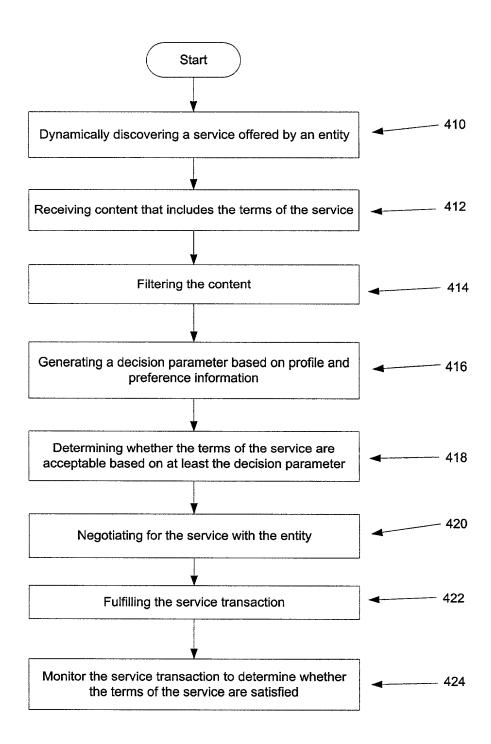


FIG. 4A

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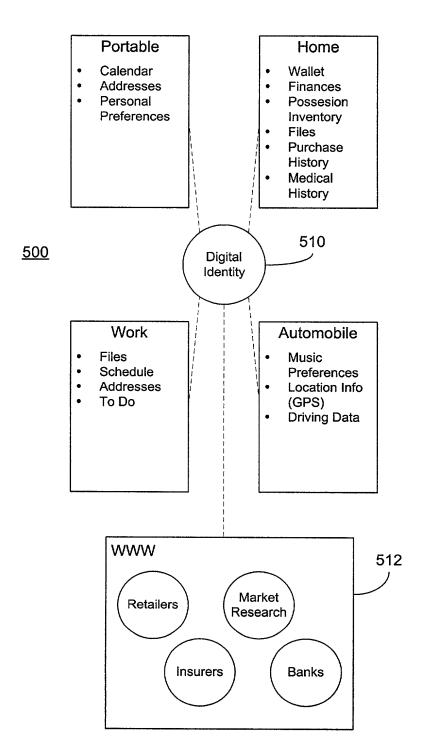


FIG. 5

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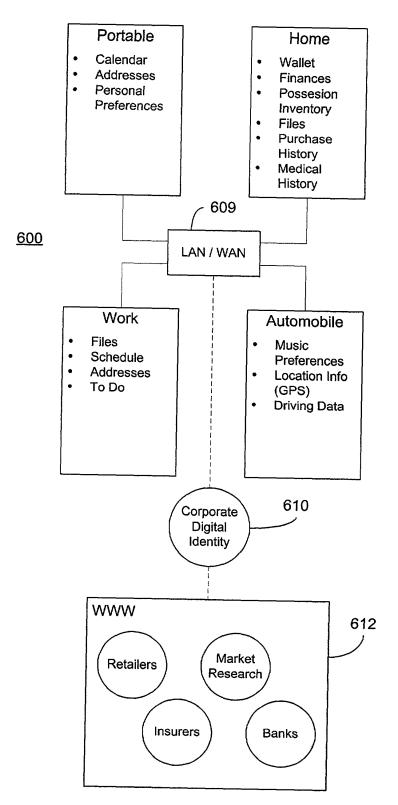


FIG. 6

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CONTENT SOURCES Embedded Device Partner Systems Screen Scrapes Manual 712 Input Application Services CONTENT LOGIC Service Directory COM/CORBA Translation Aggregation File System Transfor-mation Content Conversion Data Access SOAP ODBC Architecture Services  $\mathbf{X}^{\mathsf{ML}}$ DATA STORAGE <u>708</u> Architecture Services Content Context Meta Data Access Rules Usage Rights Prefer-ences RDBMS Profile Persona XML Store Authentication Tracking COM/CORBA Monitoring BUSINESS LOGIC 706 Filtering Fulfilling MOD XML Service Directory Rights Management File System Application Services Architecture Services Enforcement Digital Identity Discovery Decisioning Negotiating Data Access Auditing ODBC XSL Renderer SOAP ACCESS 704 SOAP ORB ORB WAP h<del>t</del>p wtp CLIENTS Partner Systems Browser Phone Agent 702 PDA Bots

FIG. 7

856 Network Server Application Server Content Server 860 Data Mining Server Data 3rd Party Content Owner 854 864 858 Enterprise DB Server 852 Data Title: Method and Apparatus for Processing III and Data in a Content Network
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Page 8 of 13 824 806 862 804 **User Access Devices** Public Network 8 825 830 810 802 Transaction Server Network Server 846 820 Digital Identity Provider Profile 844

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FIG. 8

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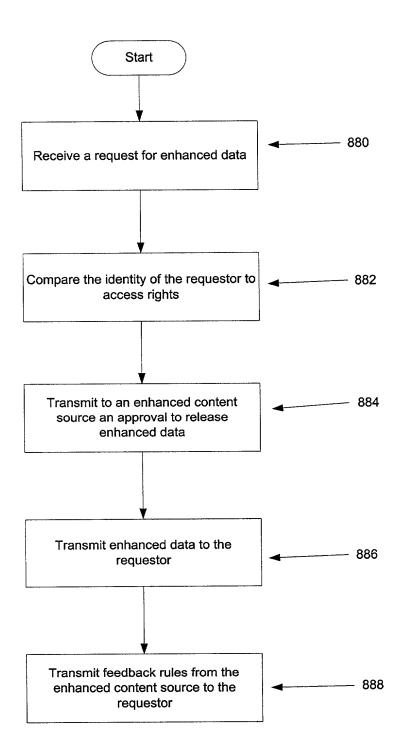


FIG. 8A

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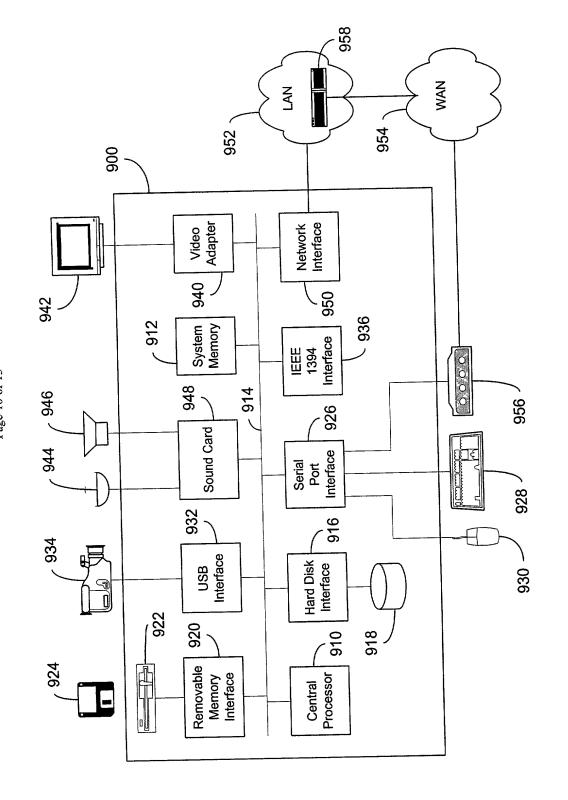


FIG. 9

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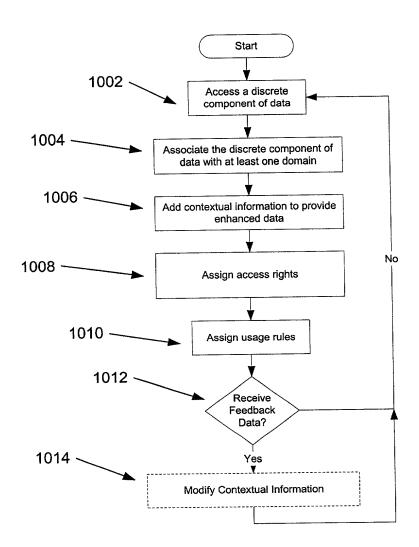
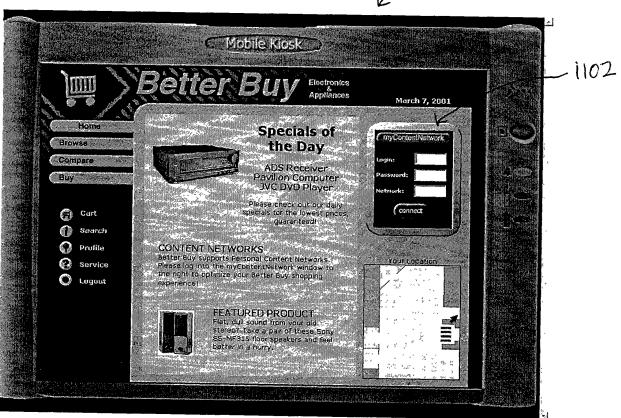


FIG. 10

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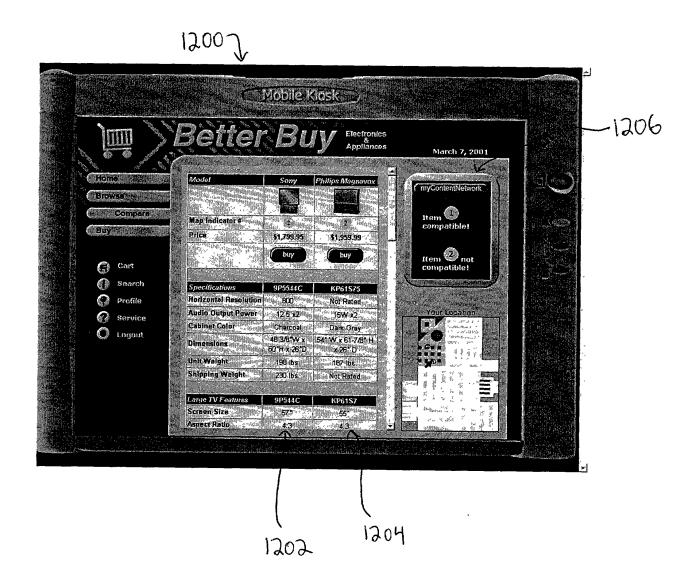


FIG. 12